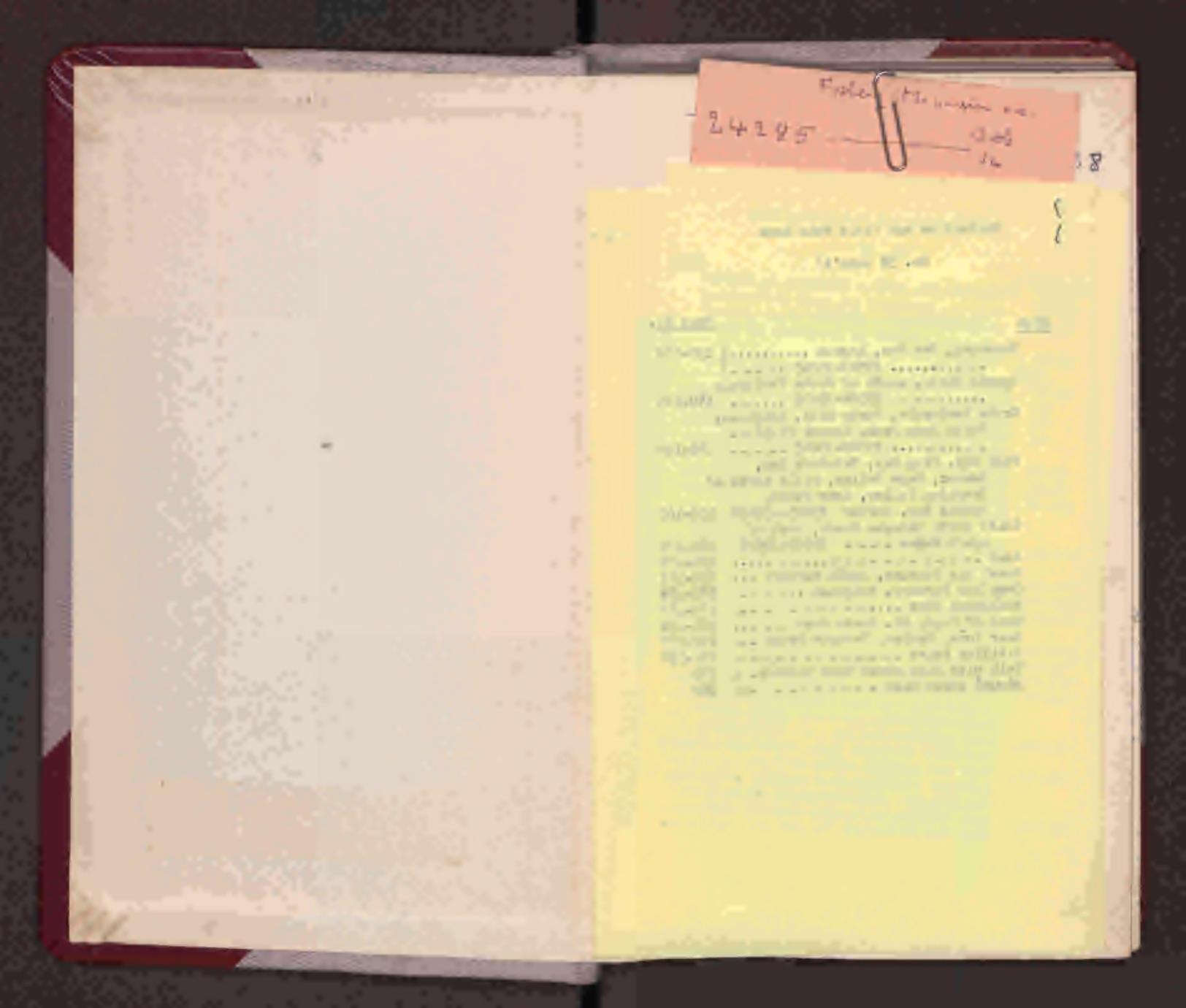
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Collection and Field Note Book

No. 38

(December 29, 1953 - February 3, 1954)

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- 2429= Fight Training an.

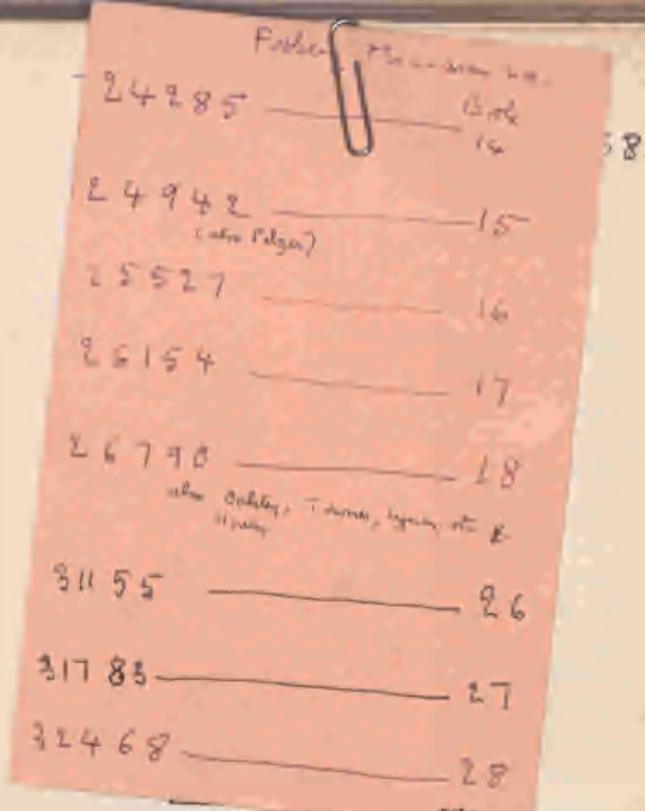
Collection and Field Note Book

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1953 - guam Dec. 29 - Post River guaging Station, 4.79.3 Karst topography with flat - bottomed valleys - river flood plains. On these flood plains are ofer grassy state areas, dominated by Paspalum conjugatum. Whether their are natural or not is hard to tell but seems unlikely. There we are mura, Condylin (red leafed form). and what seems to be the cultivated actoraque common enough their, as well as alocasis, mentingia, Ferresen, Estrum, and other indicators of disturbance The firest on the lumeston contalina Cananga odneta e fandanis textorius Fandamis dubius typeas circumals alread extrem Dysocylus marraners Ochrosia officiality via Hibiseus tiliaceus artocarpers altilis (alt. fam) muca expiration

1953 gran Dec. 30 - Lower Fonte River Som Deep straded ravere, allunal soil. angiopteris everta stem barrel-shaped, single plant seen, almost fonds stipulate, 2.5 m washed loose from side of lowest tranch of rave 25 Bimbusa vulgario solvad. Schrad. ex dense clumps, culms det . Hollure denne clumps, cutina originating close together, · Common on sides and erect, somewhat arching terraces of ravine outward, darli green, up to about 8 cm. thick, internades up to 3 dm. long, culms to 10-15 m, tel. Dec. 30 about 3 am s. of nagat, just ab (old bridge) decumbent back of beach near stream Dec. 30 - ridge 2. of mt. 385 m. degraded forest on limestone 27 Mucuna extension tangled vine; common in bushy places glowers pendent, pale green, hairs on calyses occasional is brushy shrub 2 m. tall; fourt teaver very myore; blowers green, fruiting influence yellowish, slightly fleshy.

15 199 Prisoning cauliflorer down

1 30 Tarenna firest

5 31 Massa + 12 Fixus prolises common in freet

5 33 7 icus prolies common in fraent

34 Humata beterophylla spiphytic on Fieus branches sur Peperania epiphytic on Fieus branches epiphytic on Fieus branches

1953 gram Dec. 30 - Base of Orote Peninsola abandoned tultivates ground, broken thickets and 45737 Frings sulms srect edge of Eleochen march, locally abundant 38 Polygonum stems decambent, locally abundant ascending distally in maisly spot. flower white 39 Pyrrosia lanceolata fronds fleshy. epiphytis on decount truck

12 1954 quam 35 349 Chrysanthemum monfolium? 50 Chrysanthemum morifolium 51 Pseuderarthemum lichn (5th.) Rall 53 Coreopsis tinctoria Nutt.? 54 Chumbags awieulate 55 angelmin 56 Rosa Jan. 2 Frail to Tweed's Server Hoperter 10 terrano enterace at last of Tally in reentrant, dominant tree in forest, suddings abundant in

low hert, flower light yellow. low here, rays pentices. should I'm tall, have deep tronge purple; flower white with red doto in loter, especially new throat. low herb. low herb, rays deep hound red with yellow life. pale dult bene. low best, flowers deep low strub, flower deep coming.

7-2 m

there 40 m. talk, stoner and readlings priched and my owned beveally tree.

14 1954 gream

fan. 2 - 7 weeds Care

limestone clifts

35359 Fieus prolisa

ammon on bar limetre

4 60 = ieus prolisa

bare limeston

be fine proling

gitter are covered by First her in several forms, with Pandanus dubius quite abundant, Classyly, Cipturus argenteus, Papaten, of etc., with abundant Tectaria crenata and in poliveris pedunculata (which does form soit of a venetile babit at ime, and has were colored fruits). Below the cliff or the shelf between 10 and 20 m. is a nother offer county grove on a small grant with some soil, On the greater part which is very rocky I small havenfeld) is a

should promote tree, asial roots surpace.

should, old leaves just emerging; with should reave furt expanded, across over roots.

expanded, across over roots.

magnificent tall frest not reasoned that dominated by #35758, with and Trees proton, the tatles less abundant but taller. Etangler babit very conspicuous freend stry in the frest about 4m. tall 1 % a lower toy on & im. tak of seedlings of the same specie. Let mis to be completely tolerant of shade - beadlings and soplings very trally. leveral large churchs of Hamburg.

1994 gram 16 The frest on the slope up to the plateau is largely actorarpus Tryling Aglaid, Juemin Cyus, Frest in top, where still exiting, is largely artragus and Canddowle. 35962 Jan. 7 - Taming cultivated in pot in shade Jan. 3 - top of my Lamber an dinestry 44 will som man 65 Morninda umbillata v. glandelicas Jan. " - top of feat topped evain remain of to them seld of till formy 66 Andropagan fragilis them green of common in grany regetation on beary sed soil

1954 22 23 In the Miscanthus community the dominary of whireauthur is such that only in amall openings are other plants commenty seen. The miscanthus reaches I m in beight and in difficult to walls throng micanthus floridalus chyropogos aciculatus Wilstrema elliptics Clephantopus mollis. ageratum congraides Dimeria chloridiformis Phyllanthus soffordis Blechnum orientale melastoma molabathion athyium of Lygodium scanders lothe south of this is a ridge, examined only at a distance, which, on its southwest slage, is very steep, and deeply directed by beadward errin, the other side in a gently stoping pather amonth surface Into this are cut a few

1994 quam 24 25 Jan, 5 - 2.3 km. e. of apra sold Dineria, have Heights: and there a patch of Miscanthus, and in Old lava plow, much low wet spots solid weathered. Vegetation my boden were stands of Phragmites. Plants growing on this Kavine great in wine material: a Gleichenia linearis Jan 5 3 hm. e. of aprofts. Vimeria chloridiformia Amall remnant, but la Miscenthus floridulus no red soil - surpare Acleria clarge soil blackery, merely Kindaya ensificonis a knot remaining. mystella bennigsenia Composition of regetation: Willistroemia Elliptica Muscanthus plaistules geninstoma Physichospora confinten mitracarpen history Rhypetrospora infe. replicatopus mollis Dinein bloodiformis Hyptis capitata Hyptic capitata Welastoing melabethice Centella asiation Chrysopogon acciculation ageratus congride dephantopus mollis Chryspogon scioulates Carnaring equiratifating Fyropodium commen Dianella denerola prutenceno I hyllathus seffordis generationing linearis traevola fruteren mounda estrifolis Casuaring equitipolis Walthering indices large on entger of steel stopic) Celectroum orientale Neteropogo conteras (outery Wilsthornia ellipter Cassytha filiformer Melastona malabethion Cheilanther temisfoly tembristylic annua This is summaled feleria (melli (monte carreiro) by flat and rolling Charlanther tempolis growind, with account geochedis me donne

in the manner, regardless of the bedling or other orientation of the riginal material. This erosion also seem to exprese star clay surfaces in the seeks that tend somewhat to resist revegetation, The material demoned inthe encion may go, at least in part, 5 make up the lens shop bodies of bedded red fine material found so commonly here of -si. then this beddled material may will date from the time day clay weathern startes right up to the present the oldest carriers not large, put nother granted and wind but inp to 21-3) Irm. thick, 9-10 m, tale are generally found on the edger of the meritas - They may well date to before the way. They are probably protected from fine by the steepness and barbners

of the enoding rides of the nesitas and seen surrounding them. there prototoly movidy the seeds for the abundant crop of sighing that occur scattered over the entire country her on the volcames there they have not been destroyed ty fred the ground beneath there tournes is covered by a layer of lad needles and seems 9 rather resid receptations Aclaria (mall) seems & profer the brabalet, and Kineria and several other graves and redges are able to much it but more alonely than in des soil

320 11

1954 grunn Chalandar 30 Jan. 6 - m. 1 hm, s. e. of junion furnifong mangle mx. gently rolling Ville of deeply weathered volcanic material. 35367 Selaginella cilianis (Rety) ffr. vertical banks of large erosion sea, notherpoint 5 67 Dimeria omithopodo vertical bank of large evosion scan 69 Wedelia biflow van canescens occasional on evin seas 70 Stenoloma account commen on erosionscas. 71 Dayofiteis maemonensis edge of patch of 11 72 Eyathen lunulata occasional in but heads of navines in patches of woods 3 73 Hedystis megalently man common in grassland mean edge of woods 74 Optismences imbecilis confetting ground edges of frately of wood is revise 75 Centethey lappacea occasional in edge of patch of words in rains The antrophyum plantagine thought and a spipling on tree things have the for the said

gray-green, head yellow.

The fly white.

culm evert

bender anding downward,

32 2- 71 leaver feeding l'éperamia shiplingtie in knot hale on tree trainly in wooded review. medium try, tearty 3 78 (new my others folia A. Br (obters los) and flower answater, meding tree ? fervenpelo green. wooded runn should smitally 19 Melvoling leaves with a common around edges bosty appearance; of patcher of woods in ravines - flowers magenta. Playelanthus sattender poteties of words in 80 Vigitain frameling Mangle trigled decumbert to patch around only approaching me mintache sending willing. installation on summit. zmi. north of Jan. 7 - my Wetlengel Justin low place on matter limestone soil 81 Rottlevelling Tripracum latifilium Hill 1- v.zm. tall, from creeping superficial lange patch, not seen elsewhere. shizdres. Jan. 7 - northwest Fully HOOR. decadent freet on limestone plateau 82 Erigeron ammus local colony on roadside "constitution every from longs. clumps of rosette leave. 189 Clower white along wadrid

34 1954 Juan 1980. tremendous sont, 35364 around edges of frest blanketing trees and should, florides white -arthur spirally coiled. 185 m tangles scandent 85 Colubrium ascation shuth, garvers yellow given, edge of frest - puits immaters. forming a continuous 36 Lepture repens love met. along sides of road and in edger of freet turner, flowers 37 thornoca indica simple, facility in along roadside I late afternoon. 28 Hornor indies extens too variation along wasside small tree, 10 mitel. 89 Clauxyton 90 Engenia javania small tree of

38 1954 Juan tre con tall; lever 35402 Direpyros discolor grancous beneath; fruit said to be edible. inall sapling, of Cupressus traveler spreading. trongentally. flower white. 05 Marihot glazionii 19.8 tree 10 m. tall, starile, "rubber tree" tree 15 m, tell, very To Pterocarpus indicus wide-spreading! introduced from the Milippine. Jan. 7 Between Wettingel 310 m much branched bushy 6 07 Triumpetta senitilologo heat 1.5 mitale, frankly chlorotic Com Calf of glatti, glowers yellow. Jan. 8 Rasa Valley. 2000 half deal. 08 Lygodium circinating v. serilastetus

40 1954 gram gram fan. 8 - 3/2 miles of agat 35409 malachra erect plant with stinging hairs; flowers yellow. extensing branching rane in flat weedy ground 5 10 Fuffa cylindrica vine, lovely coveling ground; wollas yellow, large patch every readily cadicous, fruit round in section, very warty, eaten when green, wines control and eater, but rather bitter. almegon" Chalandao reggest that the original habitat of fam to Mountain I dem (see policy) mayle melochia himota May ot and seen around The borders between this is a gently sloping solling relatively wood and savanny level top, gussy Confessition of forest prin scape for the trailer upper ends of now The langue timb which) rannes eating ents a Panlanus tectrins it from the lower while. ear there cathers There proteto and to Hebricus teliscour navnes trave patches E Fine proling of low woods, unally c Transmiss connected with large a geninating, (eggs) fratches or away of Cycar simula words below. Themas otherifolis Un scottered Welveling busher around The Where I whom! mounds citifolis edger of these proteties Melosling

1954

times or parets days This wa gountly arrived - I by observing behavior her and each house ste while there much much When work house are abandoned trees much do not been the est I cally said that were the wasyounger, a comb borne and the out of not for 12 years Margo the wheel Lad Horne well before ded not bear much during the ten years Out started beginn when cook house was used again. sometimes for morgita is very evening. Londling smudge, Prices are Bruit under houses elevated on pilings lags (Horisons thracewood unially used, and ly 10 feet ling will being very slowly, making smoke for 10 days or so. Calvo son that 20-30 years ago the was wonde cleaning

between again and Tigo, some cominge Alabeted to commerce, some to other cope, then abandoned and grown up to forest of trees perhips 2-3dm. thich . also in former times there was much logging for ifil aggs preside, dagsling and forgo tree were removed up to sed from the roads on insorth ground. Form of the old wood woods were with my for this for years to to remember pleasting of teach trees July 1925 Chay are now about 5 don in draw, paipa (quama) wood is read for foring hardless alumi (Melanotegia) sixon re used for short lasts. lador (minda citrifolis) word wed for refiters. Plants cultivates in calvers garden. nopales cochinelles Melonic regia Person american romin my Musleria mistata

Extherenthus rosery Coolingery variegation Vande stress Josephin allamando cathartus non ferrelesson Bagainviller spectilitie Hilliams bybil lumeria ruba Cetrus sirensis caesalfring pulchering averthon believely avention carpentola schlegranther candida Hieffenbacking mainlets anania excelor ficialapsin anne Mangifery index Cample bytrick antigonon replying Divilinos discolor Epilerennum asfragus springer asparagus plumbere Champerofes? Takernaemintary diving 1) edu mellana condições terminatio Kosa ster Carrie garanica Mercun olander yours. Cupressing st. Coffee liberies

Viction grantum

48

50

1994 guam for: 7 - anderson airford Buse newsery. Plants observed - mostly musery stock: Higherman hybrids. Chaseolus lunatus Polyscias frutison - friefold frindapen anners Chyllanthus nivore antigoron Septopur zinnig elegani Bessia aldta Tithonia species Catharanthus rosens Kalandor prinnets Enforce argulate Coreoperis - 50, 3 Caladium burler flerdendrum sprummer Volysias quilfoglei that hope a sompanulate acretypha amendais a comme Burlain critata Colour acutellarioids angelouis augustifolis afternanthers vericos Delnix regra albiyyis if Coliner rangotum Catalfra longissing mus of-Citrus ifcasuring equaliforis (Trugainville spectabilis

1954 Jum from 3 - Mrt. Makeyms side south of Fint A Endmired schring micition, expecially the transition from structurely red material above to weathered triff below -corbiely fordserve it to the and shows howing definitely a Transituat from en trollier another seems to change rather abruption One shows a budded series 25 on thick, of I unconsolidated wateredbedding becoming plains and number of large dranticles greater - Commend The colon like pronounced downward, be beda really free from larger fragments 17 - 120), less Subort. Color may have free washed down from ad as fulle after. Jan 9 - Lan Valley. 1 across com Here thought and is nother ferre them stabled sites and in way a bet towned me is.

die uninformati

54

1954 quan Jan. 10 - Umatac Hills right down to back off town are covered by Miscarthus, or if recently distribed, by weed Carrains ties are scattered generally over the tills. In the ravine, and valley bottoms are thickets, especially Bambura and breadfruit The broad relatively Level walley bottoms apparently uncommonly, cultivated. Toward the heads of the valley, where the slopes begin to steepen. thee is a black soil about 3 day deep, lying an a yellowish brown partially weather rock. This is badly slumped in places anther slopes the page attempt & cultivate tomatres, but have trouble with a corcinalist that este the leaves. The steep slope at the head of the valleys are wooded, principally

the groung write restablish much the other has the endorption gellowing and the young wints whiteel within . They is a difference in the greatity for shewing, The exercising of both turns med at smalinity they are chowed when green, red, a dry of Ispiruted. Preferre when red agunny sach full brings " " the market Challette --I read on the showed than it mis alosang macrolinga = graphen

alorania spineditte

Vanthoring - Kawain, Take.

admidia menulti

village, is assertioned as a substitute for the things.

Contry tur brinds of bounder ordinaly and a spring ord

Commention of mestion who were the ford of the ford of the contract of the con

Breedfruit season is april to august with with the august with with the august with the day of the harder with with the last larger. Establent with model in front and with with model with

ford during the mount . They are maded and provided only they would for again day water a sure of the way in fresh water , changing water every day, to remove

the porson, they made not after those in southern que and calie. Those in southern que man there are smaller than there outles northern plateau. you know you know for a morthern me.

Casuaring = "gagu" Leaevola = nanani

Easythy : mayagai which is used medicinallyboiled with flowers of another plant, monothy felowers the liquis to the liquis the liquis to the liquid to the

The for mountains maryle are in Iden Chalan Calin mala, mala, Bolanos, Et Librarda.

The strang morth of trongs a terrandia. I strandia. I

1954 Fran 62 a Tripliania tripola de pelicaena gland. Carraina equistifolis ipsoythen filifornic Vinneria contra agriation congresses a fraction fratering a leasiflery fronted Framma ototurefolia a Whiseconthus floridation n types circulate " Chrica pagraya 100 7. Jan 11 - Umeter. comment water prount, Histories humsled ground 3544 I cransceptiale regidender exceptions, to 1 m tell corner along undriels flowers brief red. in box ground. Laid & Rave been anyth by Japanese for pot-field. 12 Riper bette sterile our with elemberger tree, common acted and when crushed; wageped award total with with time and Whoce for cheving. var 10 - Unstac along strend, since high water flower lawredge. local but faminged colony

1954 quan 64 75414 Parious small trefts, common on brench and Mraading lover part of cliff 15 Hedgotis altride - preventain plant depressed fordy on rocks attop of teach 16 Chyllanthus vingstus tostf. teaver closing near 17 Phyllanthus among solver - The Les L. L. madrin. crest herb, cover glance 1155 commence among the whole boundly. same - along ward Panienn ment to product near coment wall 19 aboutilon oush of 1.5 m. call around culvert, when flower orange yellow, stream goes under word not offering fielly, cadulion. Trints Jan. 11 - Umatar - along 1-7 m. strand above brigh water 30 Hymenocallis littoralis pedurele compressed, most abundant around freshwater seep, togof beach. Il fantana camera L! tright yellow. one plant in thechet at top of beach near old houses 22 feptures refrens var. Subulatua tosto. from primary Emple at work breach a sin with ledger just above. 1) Digitario at top of beach I It The capitala Jacq erest, sparrely branches, at foot of cliffes, in almost teams dark green flower white.

19501 gram 68 Jan. 11 High land south (2) On weathered sentes to southeast of Umater. of greening wotening south of main rights breccio, recently rather seriously burnedown (1) graded slope of dele plant ever incomplete brown soil frube mostly gust Dimerio cheridiformis sending shorts out Walthering indices from base. cle Stackytaplica endia Heteropogon contortus Heteropogon contactus Phynchospina commitora Walthering molica Canthair spermin acarefresites Casuaring equinatifolis Hyptis sciencetins Damery Elitorideformis Hyptio capitala Chynelizeforg conjulous Cassytha feliformis Eurouligo orchivida timbristylis up Minnella Findrestyle sp. Mandanua tectorius Thrysophogon accoulation andropogos trend pregit Thiseanthus floridates steely taiplets working mitracarpin britum tople, according Centella asistica Chrysopogo aciculation Challanthur wingatur Phyllanthus wingstes hyllanthe saffradu fildraya ensiformin andropogen fragilis Letting comme! Chieferthe timeledie Lugenia lugaria? Ataevola frutescene some open ground. Fambritylia eg. is exposed tree, but timbridge of met enough to earlist thypotospina mela? an evering sea. Morinda citrifolia Timorius timbristylis agmoss a charten terrifolia rightenia trifolia a. Tacan Contopataloides I hyllenthus refferdix Emilia javanisa

1994 guam 70 (3) Rather heavily graved grasture on flat ordling a Hyptis survertina a Chrysopogon accoulatus to Walthering under a a Phynchropina conjulous la Schynchropera ubra? la Stachytaphota indica Dinein chloridiformis le Proprie capitata le Centella asiatica Missanthus floridulus a Lindsaya ensistemis Frankristylis clarge headed) Carrithe felifimis Chailanthes terrifolis Carpelin obserlar Chryllanthus coffordi Carrains agricultifolis Horrora letterales mit carpen witum Eliphantopina mollis

(4) grass flat tops The elosing I would soil Think years where is bradley or enjuged on most of thing the grayed a Missanthun flindeles a Chrysopogon accoulature Ra glaichening lineais mollis and Eleghentopes mollis mollis and Eleghentopes mollis mollis and Eleghentopes mollis mollis and Eleghentopes mollis

19511 gram 72 (5) same = 4 but in sterrima badly eroded and Carnows equisatifulia sides, etc mostly Pandanie Historius bare red soil, when fectivola fruteriens. fix fratially revegeleted Physicanthus sefferdie a glerchemia linearia imilia paranes a Chrysopogon acculation Hedyotis lacenat e Miscanthus floridales spormore attorners andropogon fragilis Hochiden marchan le Terrorius Thyrtella beningswin le Pianella Williatrones ellegatics la Heteropogon contentus Findrictylis come? 22 le Centella doratica Bickmela cuntile 82 le Waltheria indies diachytasphets indice le, la, Mitracarpeum sintum Checkanthe, Terrifolis Jan 11 South to southers 1 of Umatac thingh grassy ground. 35426 Heteropogan contentus caspitors in somewhat evoded grawand 27 Fimbristyles gended grandand 28 Alignaria ciliaris res in sworld grandered 29 Finstrustylia demonia ma. according compilors common in world grandend 30 Wilstroevina elliptics buch; flower greening occasional in aroded when breezin sterile bushes, recovering 31 Engenia bryanni? common in evolut knows from burning, 12 androprogen fragilis common in circled ground

1954 Juan The frest in this ravule is dominated by artocarpus altilis (both forms), and tras an almost imperetrable understory of Triphasis tripolial onthe ground beneath Balanophora is abundant, as well as Optismenus. The beight vanes with the depth of the ravine, but is up to 25 m. Composition, roughly:

a artrempus altilis a Oplismenus mobilityolis a Trophasia Vigalia Pandames tectories Scacvola frutereens (sodges) c Morindo Extripolia + Cana papaga c Galanophia o Pandain dulosus o lypour circumalis areca cathern Musa sp (destinant) Frequinetia torreasions Hibiscus tillaccus genisating Himmins

- a Glockedin marienum
- a Polypodium puntetim
- a Gelivisia
- a Davellin article

a Diverner

Even with a sharp markete progress through the entities parts of this some frest is a slow and painful process. The sasiest way in some places is to creed on mer finees between the trunks atoms. but this is made tagandons by the will spring worts of the Directory that taxes the busher with its tough friely wines. There was lie in string theaters at the surface of the ground, among the leaves.

with its steeper slope on all sides and the valley of the Halayson and Fanachung, statching down toward Umater and therize down as for as the line of black wells south west of the lang know mentioned above. This includes both level and steep sevenny, eroded and depositions areas, and raving and steep slope forests.

Pandanus savannaweeky grasseand, burned not too eng ago, with scattered Candany rather abundant. This was has been greatly disturbed tout is mostly being volumed by Miscantino, lin more level- places by lineing. o, La Riveria chiloridiformis la Miscanthus floridulus la stackytaplita indica ela l'exhantopier mollis e diduacata c Myfitis capitals

Within indica Comilia gavanien Heteropingen contestin Timbristylis arms Pandanla tectorica glorangine tempoha Phyllathus softedis Viernous cinera Eughnobia diesta mitracriferen birtun Carsettin filiponni Christophogol accimilates Centella asiatica 20 RE Asserbla fruterien Liecardina Tripleman Glockidin marionum Parpalus orbineles Finitialylis Hyptis scarcolar 107 chilantles terrificles. -Zemmedo Paider quesas Chyllentius vingetus

that the minester server of the clumps the lands

82

Morganitase unbelievely viscione

1954 guam Jan. 13 - Martinez Pasture Dan Dan Vast flattish basis. draining eventually into Talofofo drainage system. Surrounded by flat-topped red erouin remnante. much, if not all of this red material is bedded depositional or secondary, such as is usually soon is smalle lens - shaped

exprosures. There are also a few thin limester remainly, said to be argellaceous Missions,

In the pasture are 3 fredominant grasse, at least in the northern edge - Chrysopogon, Dibreig, and Missalley The latter is more localized. In the tollow of the basin is a still

of reeds (Phragmiter) On the red rums, at least, the pasture seems the Chrysopogon. The

Missanthus is eaten down to wounded turrole of style stems.

hattered coronate vin some places abundant. Cananga way common around edges.

est searce sharp- belged.

50 m

tree 15 mitale, 6 dm this;

leaves tereto, ofrlant on still mosts; one bud, only were.

94 1954 quan Do- Clar 35460 mobile 1 4 shiply tie conscienting, buds white. eliphytic Cordia subrerdata same - slope frest just aglaig marianener above swamp level, Thille low tangled quettandy specious Blee being marianners, a. Hibiscus tiliaceus Guarria mariannersis c Cananga ordneta Frequinetia Trecina t Cestrum diamin I hyllanthus manener c, la Triphasia trifolis Flagellang indies Carrytha feliformis mounds citufolis Intria biguega o actoraque altilia Posteria o Eyrar circumalis Congenia remuralting o aglair marianensis Przychotia manana Pandanus tectorius Pryindry lancolate o l'andanis dubins Tipe quahavens allophyllus of same - on weigh dimestow Cyces cereinalis outerof - madening formation. o Hypodium punctation thick frest on rough, a sportion indies deeply flitted, broken a fearvole fruteren (edge) harlingthed surgere a Morinda citrifolia aspect rather day, few a Morinda umbellata elichaytes or terrestral a Maytemus thompsonin feini; much bare a classyla hock under trees. Melanolepis multiglasila c Candanie tectrius antocarpor altilis (dugding) Pandamer dubins Macaranga c arroyra reticulata a replialefis hirantals c Tophasia trifolia a Preman obtubilities

Jan. 17 - Tarague Beach sand flut below cliffs common in coconet grave

Where flat below is wide the cliff is really a slope, covered by good forest, apparently in good condition.

The flat largely covered by covered by coconut plantation, this quite choked by coconut seedlings.

On the breach Pemphis, messerschemistig, fearing and deptures are meny conspicuous.

glatean between anderson Field and Taraque Beach.

extremely from shipe which is continuous layer which is continuous layer are rather closely are rather closely wantons friends. There are various all either dead or

1-2 04.

In cliffs which are relied or medical Pempher and Bilithing with a with a deminant, with and Pandanus.

in very boad shape, with supposed branches about and branches of exprouts along the trunks and main limbs this is result of the breat being largely the these large trees, which there large trees, which there large trees, which there suffered from expressive most bring of lene frest trees bring mable to stand it.

98

1954 quem Jan. 17 Just north of Camparays Point (Lasiaguela Point) Forest on steep slopes a bluffer. Medium height firest with where canopy and Wich undergrowth. Composition (woody felanders) e trens proting Ed O stirocerpas odoratus Ochrosia oppositifolis Macarenga Guamia mariannensi Morinda citrifolia. Cestrum drummin (adges) aglain marinners Korrelrotia mariana Pouterin Egnametra ramiflera Vismin grandis l'aptures angenteus Piemos oblivipolis Hibison Wirectus (byllanthus warianus Weldnolefi multiglandulosa lugering unwarthan Triphasia tripolia Cyses truinglis guettarda specios o Intria vijuga

7 imbristylis obtusifolis in shallow pity. Back a little the Pemphis becomes more luxuriant and there is some admixtury of Heliotropium anomalum there is also a little I hyllanthus sp., possibly dwarfed P. marianus, dwarfed Callicarpa condicing prostrate clumps of Yochaemum? sp. Midyotis albido-punctata, and cappanis cordifolia. The regetation, exp. the l'emphis, becomes more luxuriant until 10-15 m. back there is a zone of Wedelia biflora van cenercy

Jan. 17 just worth of Cempanaya (Lassaguan) Prist. in low vegetation on deeply fitted limeston mean edge of terrace 35463 Canavalin series (547 De

occasional at edge of serula 14 Phyllanthus maising M. A.

1954 gum 1.04 Jan. 18 - one me. s. of Taguar, 111 m. on north plateau Lately of firest, mainly Handander, or limeston soil Cupsicum frutereens very common in undergrowth 77 Tarenna 78 Piper quahamente CDC common in undergrowth 79 Dryspleis common in undergrowth 30 geniostorna micronthum van holfen (g+A) Forb.

story of Forest

31 Dandwhain & prophytic on the Pandan Bank 83 epiphytica landance trunk

34 epiphytic on Pandanue trunk

35 Taeniophyllum Candamis trunk

tall, canopy broken and

106

1954 quam

by tall nephrolepis hirsatuly and Dryopteris forest is largely landany with no astocarpus or Ficus proling. Only a small patch investigated. to l'andanus tectours

c mounda citufolia c Premna obtusifolis

c Flagellaria indica

a Capsicum

Pifre grahamone

Ochrosia oppositifolia

Cestrum diumum

Tripliance tripolis guaria maismenio

Uglaia marianensis Metanologic multiglandolo

Carica papaya

maytenus

Tarkang

Historialyx Classylon'

anda nephlolegis hisatula

la Disopteris

c Davallia solida

e sportoca indica Relvising tone spirity

c Villaria clongeta o Cyrrosing lancoleta

o Colypodium puntatum

nephrolepis actifolis

a coperin of nelido.

1994 guan 110 Jan-19 - south ridge of mt, alifan Thick low brest 35491 alveasia edge of frest abovered

9x aglain marianneni common tree 15 93 Ixona triantha common in low word especially in west slope, 94 Cardia Mystard where in low winds "the 7 97 actoragene attiling the minimum This comma rel is work

antimetre 5 96 Pterio common on base limestone along road. +O O Marinda justiflata a Toleran "wakalriand to re Jan. 19 - morth slopes of my. almagrag

in the state of 97 Morinda umbellety va. gla-tul octasional in navine frest. 98 Findristyles bottom of old limestone

99 area cather ocharinal in raving breat -280 mm

stem decumbent with distal gratascending; petioles mother with furfile; spatle yellow, spadie cream scolned. small tree (others fairly large); flower crange. andl stender tree up & 5 m. will bracks hale toward base. ripe fruit - Idiol black shoul a suitall, wife - fruit red. spreading tree 15 m. tell; safe milley; starily

200 4

in trees, but white.

tree 5 m. tall, nots ginhish when eat, investigat with redendorpen.

nest

1954 quam 112 35499 Lan. 19 - 2 km. e. of mt. alyen in navine freet, abundant Jan. 19 - Wills just n. e. of. practially revegetated 75500 xcleria casing trees white rare in grany spots or Hachyta-filety jamaicens one small cotony seen 03 Melastorna malabathrium common mr. acifer, shows Fena River Dam. Kavin type forests alternating with slater

and ridges covered by

sites experied. The

dutie always low

and dense, writte

and myrouth.

frest varies lycally

in arguest and composition

missanthus, develal

another site, slightly ligher alt. Thick forest of an even beight tobert 6-8 m. a Pandain dubins a Hibineus tilianens e supoplesis et criera extheir o florelistion mariem o Medinilla resen a Cycar circinalis o Triphasia tripolo o tregiendia torresiona another sete, was MY, always Very ragged frest with small offenings and dense tangled undergrowth. a Pandamia tectorius a Hilisaus tiliacens a feleria (lega) Pandames dubing Glochidia mariano a gredinilla rosea e transcination to receive e nephrolegie brigatulus c Miscanthus firidales fin openings and worth grand after searcher of the officers Trees - Lovelful it - early inveding (?) · Cyana cirtinalio r. til bera dilatata n traca cathern

114

123 1954 guan 122 Jan. 22 - anao, e. n. = y Mt. Lanta Rosa to some prostrate; flower 35 5 13 Emphorbia timenenia Hook low terrace of deeply pritted limestine! 100 m should # m. tall, sap milly, fruit immatere. 4 14 Bleckeria maiamensis occasional on steels cliffe of timestone. small tree with 15 Firm proling abundant acrial was; orcasional on cliff of fregs immeters (gradicely wugh limestons. wariable in length). 140 m plestry, leaves pale 6 16 Represenia green beneath, darker common on rough limeton gue above, pot pupol medicinal allf. 140 me body yellowish, 17 Balanophora influence and nare or wongty limestone fracts dull rose finh. cliff, Trippliasing common but not certain that it is the boost. with many acred > 18 Ficus proling common at top of timestone cliff" n. D. by my fanta Rosa, 160 m Harry John Book thick forest on rough limites shoul " in tall, rife 19 Pseudominus bunning Trust and mature occasional cathing frighter. sapling, sterile. 20 Engenia javaning makefre" truit enter.

132Jan. 24 - Tamuning multiples Cultivated as or number Jan. 25 - your 44 Cajanus cajun abundant locally along roadside Jan. 24 - Dan Dan (Martinez Pasture) on small limestone outerops in slightly elevated above surrounding weathered volcarie soil. 45 glossogyne tennifolis common in limestone creving 46 Curuliza orchivides 47 felaginella very local on vertical chally limestone. 48 allophylus 49 Callicapa candicans 50 Emilia souchifolia

common

veccasional

51 Phyllanthus offordis

The cares slander, about miles a close charaft, 7,5 m. Talp.

9'm. event heb 1.5 m. tall.

flowers yellow, standard with deep red wateride.

110 911.

flowers yellow.

flower yellow, plants smootly steril at this time.

flowers lavender, eith, exceeding involver.

134

35552

53 Cantherospermen leverabresides

1 54 Orgalis connientata organismal, norted deep in cremices

2 55 Hedyotis biglora

same - volcanie 56 Enphortia

5 57 Justice linifolis

58 andropogen fragilis

common in glat-topped avisin remarks of red soil

soleanis and gently soleanis of a red lined stream which draws into manajum walleys the order of the one just month of it around the adges a constructions at very constructions at very constructions at very constructions at very constructions at the state of expension is a replice of expension

136

1954 gum

Composition of vegetation in argillaceous limestone: Miscarthun floridulus Chyllanthus simple toleter suaverles Kinglanthur saffordis Chrysofrogon according malis consideration Callicarysa cardicars glossogyne Tennifolis Elephantopus motes aglepias curamania flagotis biflina bysedella modiflia Eughnoria hurta mitracarpun bietum Cassia Man fida acuta Psidium guajam Centella assistica Waltheris inding Hyptis capitato Centharospennen scarshine Conculigo rabioides.

On other limestone:
Miscanthus liagfordie
Hyptis suaveolene
Horsogyn temufolia
Himbritytis obtlingolia
Himbritytis obtlingolia
Himbritytis obtlingolia
Hidaathus simples
Hidaathus elangatas
Hidaaathus elangatas

Jan. 26 - near Laguas, mot base of arote Peninsula march with standing

35559 Cyperus polystadyor & Rottle.

3 to cyperies objetuckyo Kotthe

3 61 Chara reglacion aboundant in open

4 62 Bacopa monniera abundant in open

\$4 67 Chyndholyona openfunt

3 64 Paspalum in open part

is classing in mangrover at edge of march

Large pand or mud-flat, mostly covered by standing water, but this very aballow. In the water is a mat of chara and in it the Cyperus from and in it the Cyperus from forms a sparse layer of trufts

D-1 M.

small tufts

small tufts

especially footed.

forming luxuriant
soft mat; plowers
will pale lavender.
enemy pale lavender.
enemy pale lavender.

Caespitors, forming devices; leaves humanoches; vine clambering in trees.

edge is in places not submirged, even to be some width Here they wet mud is covered by mats of Paspalum and raginatum and for sometimes and

145 144 a fill of crushed and has The fonds are surrounded as frignet specie by flats of matted Chloris inflata Pashalum vagenatum Nectylostenium acquetium with large fratches of deda hombifolia Panieum purpurassens Tridax procumbers and beingus, as well as Corcharus acutifolia occasional clumps of pronoea per reprae ypener odustus and Heliotropium ovalifolium Expens gavanicus and Cyperus odoratus scattered amall trees Kencaena glanea of avecening. Engherur difformis These areacompletely still, Myllanthus houri my hopy years and have Leaevola fruteriena Cragrotis eclians Electhanis Jan. 24 - near Equador River Cenchur echuralus Mangrove Swamp malachra with Klingophora and Convinction polystachym 3 44 43 avicentia from very Engelorbig hirta Par Roy sparse of quite dense, Stacky taybeta indica growing on fine lime , set Exlipta altra from enough to walk Vernovia cineres En out low tide. Europhys Henrine underg so care and very loved Cyperus ino? Some acrostichum precent 333 Findristylis typos expecially in landward Repture replins side of road. a large wer of this is dead or Beside this se a patch of almost so, probably mercanthur flidulus in a And. from oil on the water small hump of angellaceous drifting in from aprox Haut limestone. This recome to be doing the trees and still standing crowded out by Leucann their are large busher scattered a and havy young clants.

147 1954 gream 146 Jan. 26 - Onote Peninsula, central spland clumps, 2- 25 tal. 35580 facchourn sportereum common locally an opendry limetone. 31 Chrysophyllum crimite 5 m. tall. Jan 27 - Forte (Commercia) 152-4 Hill, m. of upper Fonte River small tree 7 m. tall; 82 Tabelouis pentaphylla Howers quefled purh cultivates small spreading 33 Cassin fristula het, fruits prendent. cultilated strink im. talf 34 Youra concined flower remilling cultivated - fruits darly red culmo defraced to according, worting at works, ourmen weed offer street 1 bo. tall, 86 Jecoma stans -flowers bright yellow. cultivated sprewling large 87 Tithoning diversifyoling trans, flowers yellow. established and very west tree, annation musery. 88 Pinenta when broken. cultivates same - in brushy thicket shut 3 m. tall, flowers 89 fatoling cures L. pale green builtimature. swall daily greature, brief grand geller, worter, very leave, 10 Citrus

3 94 Cinnamerous campling

5 95 Viter Tripolis

, 96 Bira crellana

1 97

4 93 Encelypter

, 95 Parlinia blakenra cultivated

35 400 Clarodendrumsiphonanthum
a growing of through hedge

7 01 quaptophyllum fiction

65 m

should 7-1 m. tall, strile,

aloud 7-1 m. tall,

aterile.

small tree; leaves, strile.

aloueous beneath; strile.

and tree, brancher

small tree, brancher

emic sindered of

"weeping": sterile.

should to m. tall; annate,

flowers wield,

flowers print;

flowers print;

flowers print;

flowers print;

the should some pointed prints.

"form will long pointed prints."

tree 12 m tall, arountie.

though flower with and the country imported from Hong Kody).

calys lobes with and a server of the server of the server white, bearing white, bearing and bronze white, bearing and bronze white, bearing and bronze and bronze white, bearing and bronze or white, bearing and bronze or

152 1754 quem 35619 Jasminum pubercens

1 15 Chumeria nutra 3 16 Polyscias fruticoso 1 17 Costus 1 18 Spornoea quamoclit

20 Hemigraphie refrens

1 71 Kalanchor

1 32 Kalandor 1 23 Thuja crientalis

25 Calathen house

- m lath house

+ 28 Buchinis

2 39 Melia agederach

30 Begonia in lathy house

11 Kansevikia in grown

should , me tall, plower militing greely. stem spiral, I mi tale flower ned. leaves veined with while, weed in pots; flower - pale levender. deaves wester, mottked teaves fleshy, flattened evert show I m. talt, branch systems eved. short, flowers searlet. deaver purple berinty green above with short whit and jinks some, sterile; publicany ought frugle. shint 3 m. tell; blower white with ned stamons and etyle. short 3 m. tall; flower rearlet. small try & m. tall, flower lilac Euros Pleshy; flower bunks, pales within. conver fleshy voringeles. steril.

19511 gran 156 Some Therpesia propulse. Jan. 29 - Pago Bay around the edger is a another broken down herbacious regitation swamp area with of Parpalum viegenetum patches of nigra with clumps of futicans, and of ypener javanicus and Rhizophera, of Hibiscus patcher of princes per-copie. tiliaceus, tangled with Centrelendrun ineme and Derris trifoliata, frall patcher and admix. tures of Phragmites. small true 3: 4 m, telle 4 ran, edge of betream celys red, mange word said to be used for making ranchos or temperary houses 50m. lately of sund grass in should I'm tall; flowers fill just south of tridge 4 46 Psychoting manana where in sword grass on limestne stops too long ago, but it was Miseanthus growing on leng enough age so brown soil on nigillacious that spiceanthus and linestone, avoided edger Leuraena have from Seeing studed at by Lincoln quite luxuriantly. There and some liphasia. is smell your soil In the strade the miseath accumulated on the Bower slopes in the Cencasia is very love and than above in the grees elongate, some burned Few Ferrery secollings sticles at the top of the independicate a fire not

159 158 the bay, with a smely composition. Micanthas floridales Ratch St Phragget som Mipa and Helinais Chrysopogon acinelitis Celecour. a large man is For Levickeng glaves derninated by Hiberon a Triphasing tripotion short distance expertises Clerodendum inem a luxuriant peater of Callicarpa cardicans sevord- grain receipties 4 Stacker tarpleta indies steep slope of angillarione Carretta felifimo limestone above a coorded Wedelia Buflera Claff south of the bridge. morenda citrificia miscanthus floridalus Pridium angers Tara levitopetaloide Tripliance tripolis Wedelig beflin van censures ayeloting manang Willitraining factions Hyptis pection to therodendum invov Walthering indica Clarotevon Carrythin feligion Cassifling footido nephrolegin birentila fromter indies imbristylis obtasifolis Derris triportiata Cassia occidentalis Moranda citrifolia Cassin sp. Hyptis cepitala Payelitin merang frog acuta Files tinetons The tellestated the antharospermen screenis Fremma Stusepolis The morder the below Jan 29 yeing Bay is principally a dense thicket of Triphasis, with some protey derleoped near Hibrisons, Pendanny, and ameston antoccopies. In gratch of Assissanthus weak which - p & 1 on tel. flower yellow, frait memotion recarional in depopular shrul i m till, tenl; we are estages of sunt on slope

1954 gum 1620-1 m enting decument rebunchlog 75650 dominant locally to externaling. in mud 57 Cichhanis crassifils flowery speches a w- 1 blower temple, alder spring bonding dormand flower lavender tach 52 pornora aquation - prepo in center. common locally in mud - Lavender, the st closed. common or noist ground all thru petals sty 54 Commelina race on mist ground evet, flowers yellow 55 Erotalaring gurngment is 2, name or more ground flowers deep ut- per per 56 Homes cultivated, campings house = 57 Bambusa wyan school is willing in thickets chumps, canes about 2-3 dry apart, dark. grees internoder up to 2,5 dm. l. Jan. 30 - hills behind Inarajan, m. of Inarajen Valley. arching, flowers white. local along roadside in red volcanic soil. prostrate local interded volcarie treccia

1454 quam 166 true about 4 m. tall, 35668 firmstong chinensis trunk without definite cultivated sean, but with ringlike waghering near the top, parricle axillary; fruit dull greened, turning black, franche creting out and somewhat downward. 140-14. Jan 31 - top of cliff the small compact rounded 69 Hedyotis foetilda van mariamenen much brenched buch, common on bare limestine malodown when troken; ledges. blowers white, anther dade gray. 70 Digitaria gardichandi rare on love rode ledges. branched herbs & 71 Priders pilose um. Tadiata abundant on washides and cleared or sureful greas on timestone. vine, flower white. 12 pornoca luba vecasional is brush at who of slift. same - in thick fruit on slope at bottom of cliff shrub & m. tall find 73 Psychotria

169 1954 guam 168 eplke 35679 Leptures repens var. subulativa Fist. In forming loss met. common on sand Im stems prostrete. 75 Cendrus brownie ray on sand - In. berming dense sod in which collects sand i 76 - prodoce race, two small petches seen en rand bottom in about 1 m. water o Morinda estrifotia for 21 - east of agasto gum - secondary freit maytener melanolegis multigrander with brally a few o Carried papaya big trees of rederrange c Ciper quebramence fair rized me of classica c Discocalys Debrosia aglana, etc. gens to which with fairly complete negle stepis biratula camply at about 10 m. Jan - application Walking is not to bud bavallia solida without madrite but asplenting with easier withing. Tolyfordium functatum confronting. Hypodium sedopending agenia mariannerio aglenium eachilifolium Fleur prolina afflenen falsation Classoft marianners Petvisia spreado grania mili Jumala heterophytes Hibracus Teliaceus nephrolegis nortyolan Cabrosia prosityolia antrophyum - simulatun Pandanus Tectorius Vettaria elongata Flagellang indice the couplinger Triphasia Engolia Historia artragus alther vanore relieds

1954 gran away recently climed readway in this words is a community dominate in Carrier profrage. The acrony seems to lot the theng to render a posts cleaning in the freet. With it are minus miner evector, acclepies curacing and explicacy nephrologis hissatuly are conficures, and and the things is a rudered community seen very commonly in the plateau forest unimed intely following disturbangs

Jan 22 - Unas. area proposed to governo lively to be net asside as Ensewation users extending from anao Point south, and from with boundary of anderson a FB south, east of Calvo and Blas Brokerties Exemined in company of Salvo . Blan Made upof in area of plateau top, the sampant at the edge of the eliff. the cliff face and sleet slope below, and two terraces, on just above the sea. (she plateau top is mostly in rather good forest, though part of the area has a large number of dead trees. In the grant examined these were mostly intingens, and are said by the local people to be affected by bugs foll in worts and tops. forme Intia present, which as essentially leafless - This said by the local people to be normal condition of large ifil trees. This frest is remarkable for its elmost complete lack of artocarpus trees, which are dominante on most grants of the plateau

1954 quan

Chynometra

Chynometra

Chynometra

Chiphasia tufolia

Ochrosia oppositifolia

Ticus prolis

and with smalle planti

a asplenium candatum

chyllanthus manariem

o nephrolepis binantulus

o lephromia

o lephromia

o alyxin tonesiana
Replemium midus
Procesis pediunculata

Frest on slopes at book

of clifficarpes orderatus

c aglain mariannensis

c quettarda speciosa

c Hibisum tiliaiens (a in love por

c Cycas circinalis

c Triphasia tripolia

o Morindo citripolia

o Intria bijuga

o Carica prapaya

o Ficus prolixa

o Melanolopis multiglandulou

o Polypodrum seolopindia

176 1954 3

I want the Carrenfeld is a discontinuous well of Caenarine with a lettle Priming partly replaced by a scrub 12 m tall of fearon and Wedelia Under the Carnaring is bare ground covered by a bell of brase meedles and scattered achignanther asher and Callicarya candin and Capponis cordata. Inside this is a belt of Hiberous Ochanens and Clerodendown ineme about 2-2 m tall.

Manuel Calvo and Jaaquin Blas gave me many vernacular name and some other information on plants seen: (determination are may sight ones) Taig - Tristingsin trunk always straight, most of read their seen were this said to be from insect attachs both on worts and topo, acc. Blas. angal - I remna obtinifolis Makupa - lugenia javania toute - built eaten faniti - Blecheria manannes

182 1754 quan

Jan 27 - Com Man Munsery

Man Fonte Valley (see \$146)

Mussery to supply

glanting maleise (24

Com. New Maniers

extablishment blants

and listed except 2

few wit generally

motived elsewhere.

Tabebuin pertaphylla

"Kentia" fralm

Tethoria diversifolia

Easia fratula

Jerra coresiona

Koystonea oleracea

Jan 17 - Mangunas Juan Florist musery extellishments in the neighborhood (Experiment station, home of employee,

by owners of quan Florist.

Regardagemen aurem.
Thyllodendron opp.
Threnix sylvestris! (amali).
Vanda x Miss fraguin
Monstern delicious

184 Jan 23 - Faragelan Tro and refined middle Melverron Talefofte Rever Davin. sleeping hibrary och. (many 60. (29) Jaconinum gentrescen Review fruit type in anytic - sandelgita area, levelle, area Thrysalidorapus Catariers of repland are generally Exphormandia weid by word gran. Bankwin Stakean The most years arise me from the Experience of the second more less trally cut by tronglong, spoken of it erosion seems their retters Sole Ala. as a laybour) The Miscanthus comme mity tient is frank miscanthus except in thin place and small openings. It has been burned as I'd blackened grass stube show no Casuaina seco la Tur placer and arnall ofenings may be found: e Hyptis capitate a Mysofroger accountation & Cercentigo while to Mutralegum bistum a Dimeria chloudifornia o sprobolus elongatous a laspalum ubikular In a small cleaned area of froming - ned will in sund green the following made up menigalar recordedly behave repetition

1454 guan

La Chrysopogon acimbata La Mitracepum histum Le Waltherin india Le Hypter capitata Le Historytapleta indice

the lovest genet of The trace, along the news is a complex of swamp Spreet and need mand, reparated from the runs a board low matures live This level is contract marry to Hitracus tilians with occasions dress and a few Hermandes may !! The swamp forest is a morain with some pure Baringtonis rawny the trees on hummontes segmented by knee- deeps water campy zenewly complete no winders with willen trees of transfer occasions some Hibison ticamon, almost a puny stands, some

a Barringtonen racemoun

a listen cathern a land, orbis allowania and liphiamenum on ground latelan of reed surramp.

In this plat low grows and temporal volcanis breizing Polarios Emmetion partly covered by sund-years fraity by navine frest and much the feat just above the swamp have these groves with some History Teliaceus and mith tim undergrowth of I ifin qualic mense & The rapines mining into this all army have raving frust, lagely Hibrains telians but with Pandamer, Cycas, area, Frem potras, riphasis, etc.

1954 guam Matel Poppaning Jan 20 - West of Jigo Inspection with Mahuel Calvo, commissioner of Jugo, of setes for a conscionation reserve of artocarpus "dugling" forest. a block of about so hectare breated perhaps Is tem west of highway along the old noad - broken rather ragged forest, about 1/2 cleaning 1/2 think mired secondary found largely Pandanus, and about is astrongen Some trees and 5-7 don. Wich. Canopy not very good. " Mot an ideal spot for a receive another block about I ken in home and a cook from Jose White grangesty! suns along a ridge of well ground / Manely field). It is thick secondary frest, with a strip about 100 m. wide along side with many Large dugding trees. The est is good mined secondary woods.

1954 guam 190

most of m Lanta Rosa is choead by swoodgran much of it somewhat disturbed to war activity There is some Dimeny grassland, but most of the area is miscarthur and erosion sears imposition in miscerthus area and amaller dietables places:

mireanthus pap floridules la Elephantopur molles

t a stacky tarpheta indica la gleicheria linearis

c Hypter capitata

a Glochidian -marianum

t Lemanna glama t Emilia jananca

la nephrolepis birontus Polygala grameulati

Mitraca from hertun

Curculigo orchiordes Lygodium scanders

ec ageratum congraides ole Blanella

I there in the interior

e Cenchrus achiretus is Tyromore litterelle

a Pandanus tectorius

Chairanther tensifolis Leavola futescers l'ennixtim polystachque

1954 quam 194 from beach erosion by parties cart of a heavy sood of Perpelien merry . a sporobolus (stince) stand of young mangiones which extends eastward. Loth Rhizofilars and Briginiers. Enhalus acrouds in shallow water wited very common in of bragmented and terrau. shallow water mide Relliages 1/2 are Pernguing any rect forming patcher yo Klingophora. along the which seem to collect shore are a few X-yldeanfre some fine sediment. therpesia, Hilisine Tilianen Keritiana, Chricennia, and Jan-31 - Tanague Beach Hernandia, with Claroterdun The wooded terrace ineme, Derris tripolista, and above the count plantation Carried solo. covered by a somewhat the entire bay here is dequader mind freet of: lined thus - starcely a Oslinosis oppositifolis a mangiore swang a typear circinalis but nother a mangiore a aglain mainmenis lined shore. The many - Macaranga throngenin trees in shallow open c Vandanus tectorius water are all young. a morinda citrifolis at the head of the bray E Iramora obtinifolia are larger trees for his a tiens prolise a more typical mangest a artreaper altilis swamp. from action a guarris mainmeis acrostichum aureum her a Triphasia tripolia 1, the east are some a Cectrum dininum reeds. mangroves o Flagellais indus sem to be coloning a melanolepis multiglandulosa eastward, in the a Carica papaya shelter of the barries o Viper greatements reef which extends out o aigenia reinwalting Govern Taland. The s Cordia subcordate alone here is protected a Intria ligura

1954 gunny 199 198 Feb. 3 - Willied with c Cynometry Kipp about quam timbers. e Pandanus tectorius Egran circulis Laya (Tristingini) aglain maismen twists and ways, t Hiphania Tripotes ON fortimber but vot Promos obtinifolis for tumber Macaranga thoughous Palvonain (calophyllum) Ochrosia passelfolis Chyllandhii mariane the strongest tember here ectaria crenata builty weight - won't Tristing cowers split - cross- grained Entrio dyinga o branded structure. Bleekens made Fiere prolice Joga (Elacocapia) - not 日月 quettarda specios known to kipp. de l'africana angenteur a firm tinctoris Hil - good timber, acca dessitypitalviola last well - Foundation 37) Carica graping sproad of 150 years old 460 thengellary under still sound, known 9 Type quatramens stay sound by at least melochia too years in Phelippine, Enfrortes letifolis in contact with your Prisoning grande / Porte tous condensteel screws Hernander som and nails. (towesterness) The breach here is broad Elande Forotes (BPM) is man and sandy, and in fort who found finish fralm word of the commit grove lines will sunin 1951 - in 7 and Rica a Carriage equicalyour area above Dam. Killy also a Messerschmidis agente bound some on road to Feng. a hearvoly puteresus Layer 6 - 12 inches thick of a Pandanus tectorius eignite in road out in a Kernandia sonora Maral amountandring tin.

195h Guan

In patch of woods at head of south branch of Pago River all large trees look dead, as though at some time there had been a fire.

Flats south of Talorofo Eng have extensive

Small lakes in Bonya linestone area are surrounded by belts of reads.

South of Orote Pov. in most of the flat valley pottoms are traces of old rice patches in the marshland. Marked by rectangular pattern. Apparently date from Japanese occupation.

In Waval Magazine area are patches of Lencasus. On sust side of Mt. Ismlan a fairly large reed march.

In Telefofo River Basin the coconut area extends about one third the way down from Form Dam. Below this is swamp forest.

Slumping is swident below all erosion scars on any sort of slope in volcanic part.

In Dan Dan (Wartings Pasture) all the drainage runs sust from the western scarp or series of eresion scars.

In the southeast corner of the island is much Dimeria grassland.

The terrace Forests north of Talofolo to
Togcha should be indicated as good limestons ##
forest on my vegetation map. This pleo
reaches down from the north to the north
side of Pago Bay.

The plateau east of Maron has large numbers of dead trees. The dorest just south of Anderson A.T.P. seems almost entirely dead. East and north or Anderson it seems in fairly good shape, quite poor west of Anderson. The only good patch in the extreme north part of the Loop is opposite the east end of Taragus Beach. Good forest north of Morthwest Field seet of Eithdian Foint. There is good forest just west of integrate Hill. The grassy area on Mataguage and its smaller home on my veg. map.



